

FIG. 1A

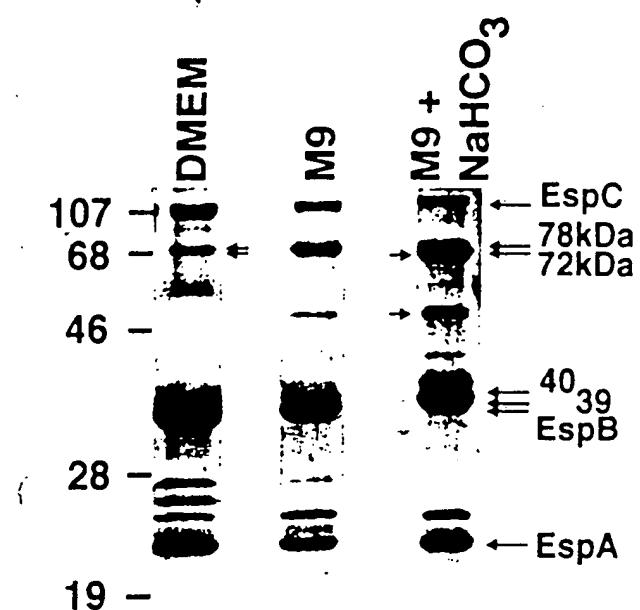


FIG. 1B

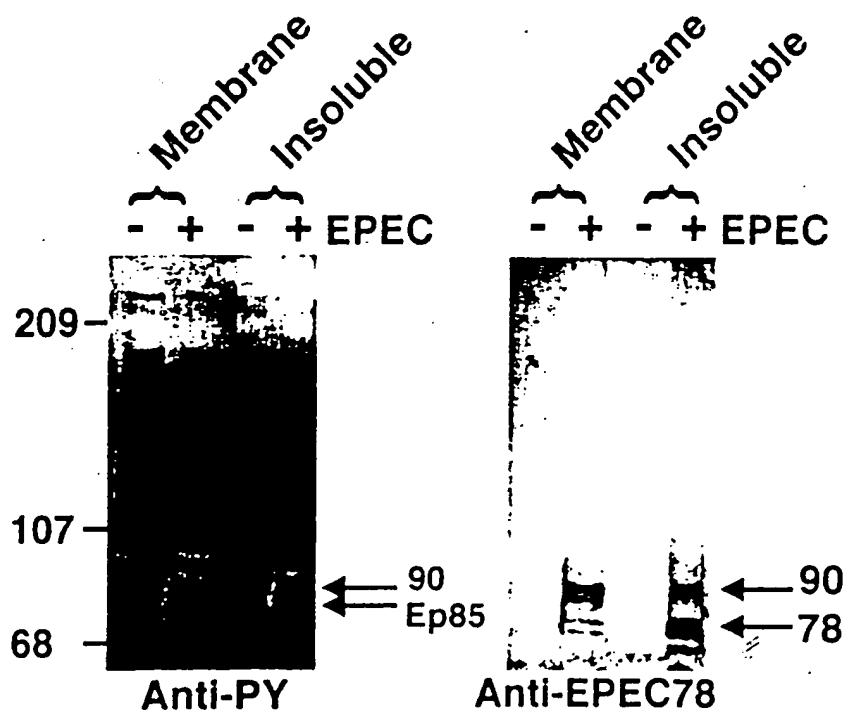


FIG. 2A

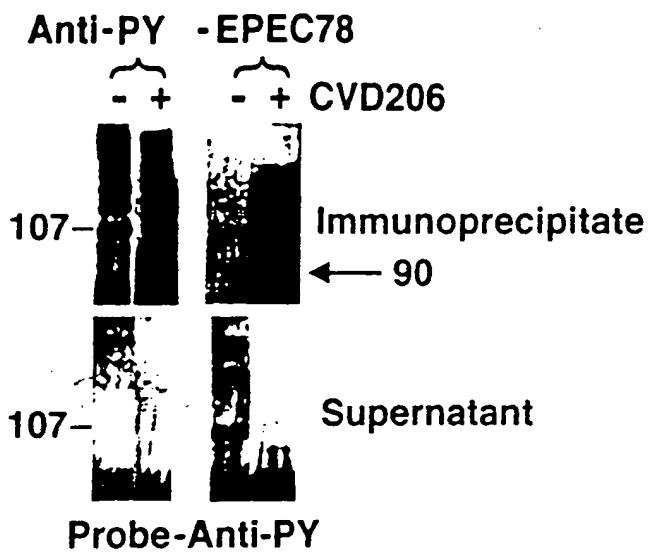


FIG. 2B

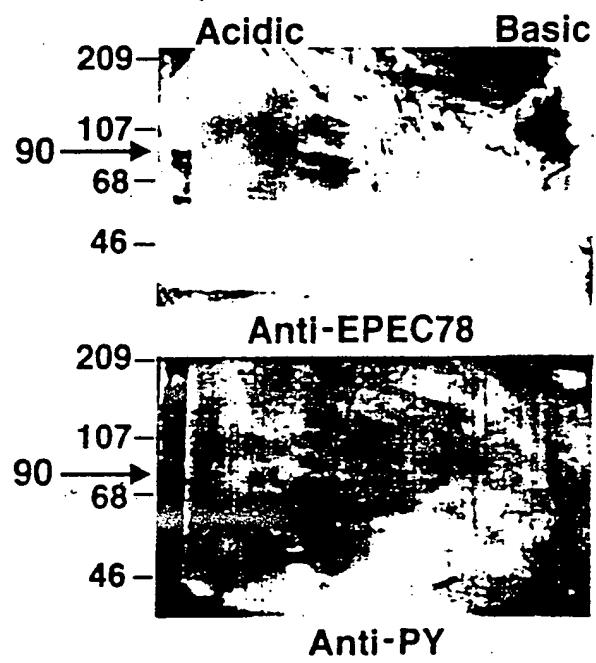


FIG. 3

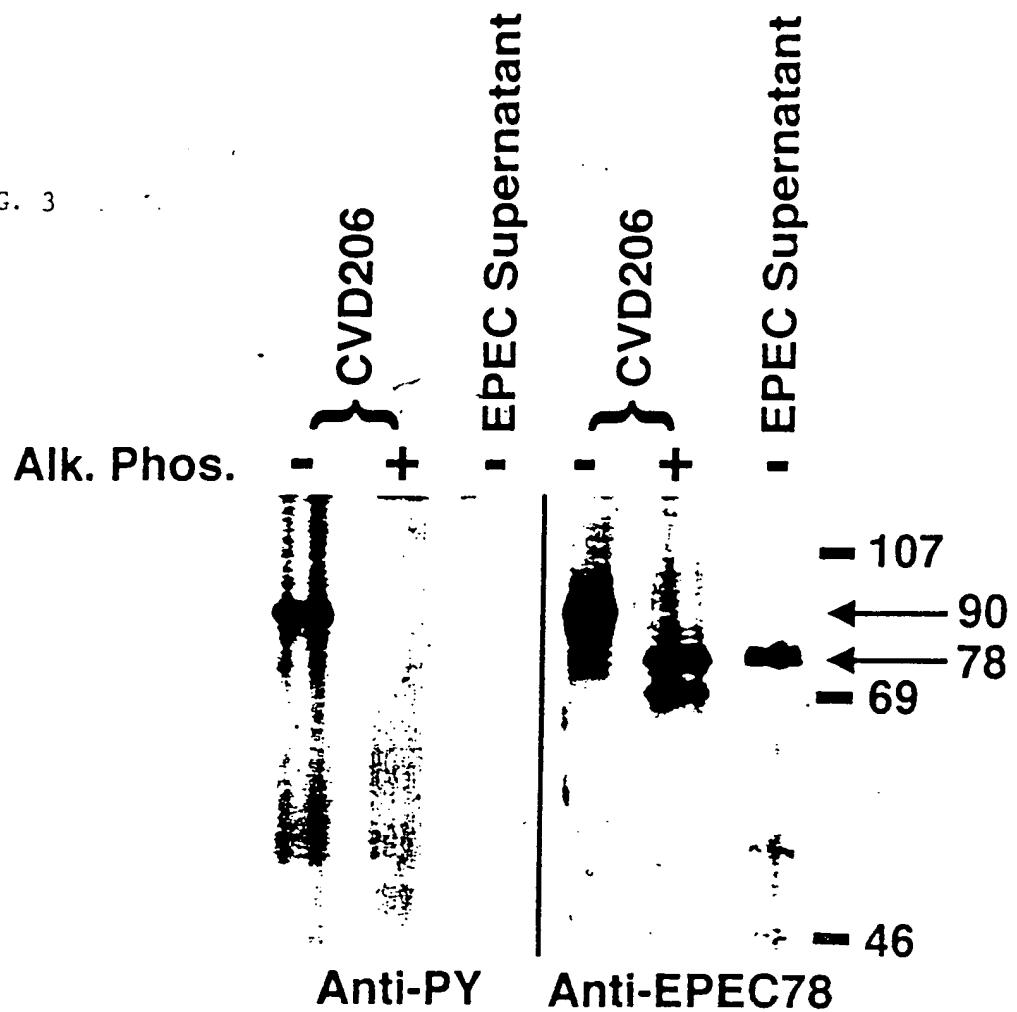


FIG. 4

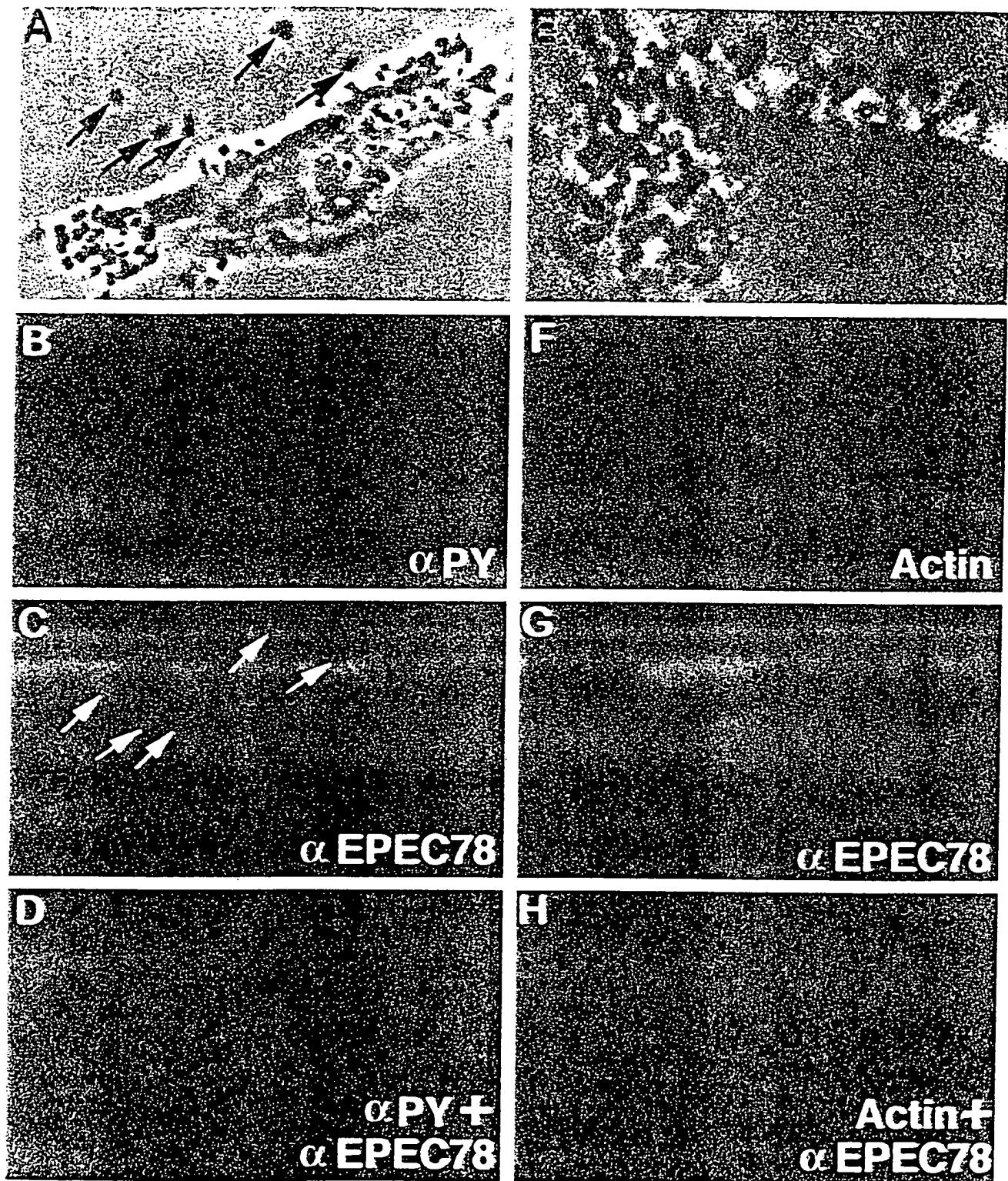


FIG. 5

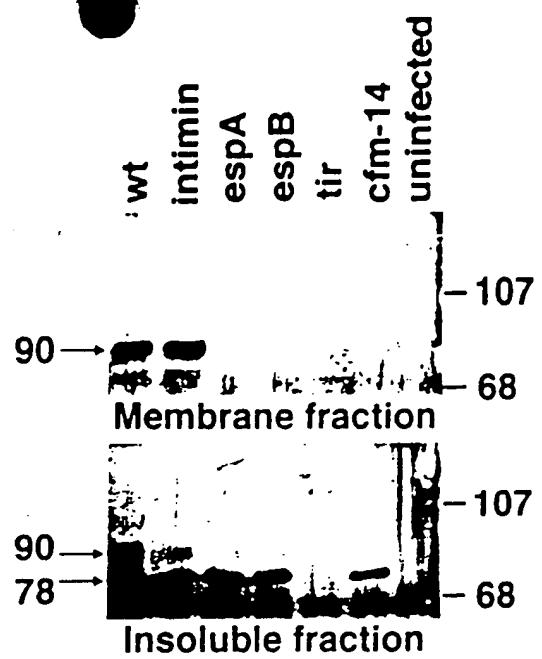


FIG. 6A

COOCTOCATACCGTTACGTACAGTAATATAAAAGAACOTOTCAAATTCTAAATAAAG 60  
 cfr ->  
 GATATATGATATGCCATTGTTAACCTTGTAAATAATGTAATGCOAAATCTTAAATCCC 120  
 H P I G N L G N N V N G N H L I P

CCTGCCCCCCCCACTACCTTCACAAACAGACGCCOCOCGCCACOGGGAGGAACCTGGTACATA 180  
 P A P P L P S Q T D G A A R G G T Q H L

ATTAGCTCTACAGAACATTAGGATCTCGTTCAATTGTTTCTCCCTGAGAAATCTATG 240  
 I S S T O A L G S R S L F S P L R N S M

GCTGATTCTGATTCAGAGATATTCAGGACTTCCTACAAACCCATCGAGGCTTGTCT 300  
 A D S V D S R D I P G L P T N P S R L A

GCAGCTACATCTGAGACATGCTTGTGAGGATTTGAAGTTCTCCATGATAAGGGCCA 360  
 A A T S E T C L B G G F E V L H D K G P

CTTGATATTCTCAATACCCAAATTGGACCCCTCTGCATTTCGTGTTGAAGTGTGAGGAGAT 420  
 L D I L N T Q I G P S A F R V E V Q A D

GGTACTCATCCGCTATTGAGAAGAAAAAAATGGTTGGAGGTAGCGTTACATTAGTCT 480  
 G T H A A I G E K N G L E V S W T L S P

CAAGAAATGAGCAGCTGCAATTCTATTGATACTGAGGGTAAACAGATTTGTGTTTACCC 540  
 Q E W S S L Q S I D T E G K N R P V F T

CGGGGACGTGGCGTAGTOGGCATCCGATGGTCACTGTGCACTAGATACTGGGGAAAGCT 600  
 G G R G G S G H P M V T V A S D I A E A

CGTACGAAAATACTGCCAATTAGACCCAGACAATCATGGAGGACGTCAACCCAAAGGAC 660  
 R T K I L A K L D P D N H G G R Q P K D

GTTGATACCGTTCTGTTGGTGGAGCGCTTGGGAATAGATGATGCCGTTAGC 720  
 V D T R S V G V G S A S G I D D G V V S

GAAACCCATACTCAACUACAAATTGGAGCGTTCGCTCAGATCTAAATTCTGGGTTCT 780  
 S T H T S T T N S S V R S D P K E W V S

GTCGGCCAAATTGCTCTGTTAGGGGACTGGCCCAACTGGTATTGACAGGGCTTG 840  
 V G A I A A G L A G L A A T G I A Q A L

GCTTGACACCGGAAACCGATGATCTACAAACCACCGATCTGATCAGGCCAAATGCT 900  
 A L T P E P D D P T T T D P D Q A A N A

GCAGAAAGTGCACAAAGATCAGTTAACGCAAGAACGATTCAAGAACCCCTGAGAACCG 960  
 A E S A T K D Q L T Q E A F K N P E N Q

AAAGTTAACATCGATGCCAACggaaatgttatccgtctggggataaaaagatgatatt 1020  
 K V N I D A N G N A I P S G E L K D D I

gttggacaatagcacaacaagctaaaggctgggtggggccagacagcaggcttt 1080  
 V E Q I A Q Q A K E A G E V A R Q Q A V

gaaagcaatgcacaggcgcagcgcataatggatcatggatcatggcagacgtcaggagaa 1140  
 E S N A Q A Q Q R E D Q H A R R Q E E

ttacagcttcatecggttattgggtacggcctcagcagtgcattgttgcattgggg 1200  
 L Q L S S G I G G L S S A L I V A G G

atgggtctgggtaaacgactgcgtccatagacaaatcagccggcagaacagacaact 1260  
 I Q A G V T T A L H R R N Q P A E Q T T

actacaacaacacatacggtatgcagcaacagacggggatccccacacaaggcg 1320  
 T T T H T V V Q Q Q T G G I P Q H K V

gcactgatgccacaagagcgaagacgcgttctctgtatgacgtgttgcggggatgttt 1380  
 A L H P Q E R R R F S D R R D S Q G S V

gcatgcacacactggcgtcgttgcgtatccatcgcaactgttgcgtatgttgcgttgcgt 1440  
 A S T H W S D S S E V V N P A E V G

ggggtcggaatagtctatcggttgcgtatccatcgcaagagacatattttatgtatgggtcgct 1500  
 G A R N S L S A H Q P E B H I D E V A

gcagatccgttatacggttattcagaatttttcaggggagcggcccaatccggaaagg 1560  
 A D P G S V I Q N F S G S G P V T G R

ttaatggaaactccaggcaggtatccaaaggtactttatgcgttctggcaaaacagccgc 1620  
 L I G T P G Q G I Q S T A L L A N S G

ggattgcgtttaggtatggggatataacgagtgggtggcgagacggcagtaagttctgt 1680  
 G L R L Q M G G L T S G G E T A V S S V

aatgcccaccaacccggggaccgtacgtttcggtttatataatctgtgtatgtt 1740  
 N A A P T P G P V R F V

tgagggtgggtgggggtgggggggtttactagcgtttaatgtttcagagaacaacgtt 1800  
 orfU ->  
 gcagcatggtaactctgttattataatcaattaagagaattataatgtc 1860  
 H S

atcaagatctgaacttttattagatagggttgcggaaaaattgggtgtggatctatcc 1920  
 S R S E L L D R F A E K I G V G S I S

FIG. 6B

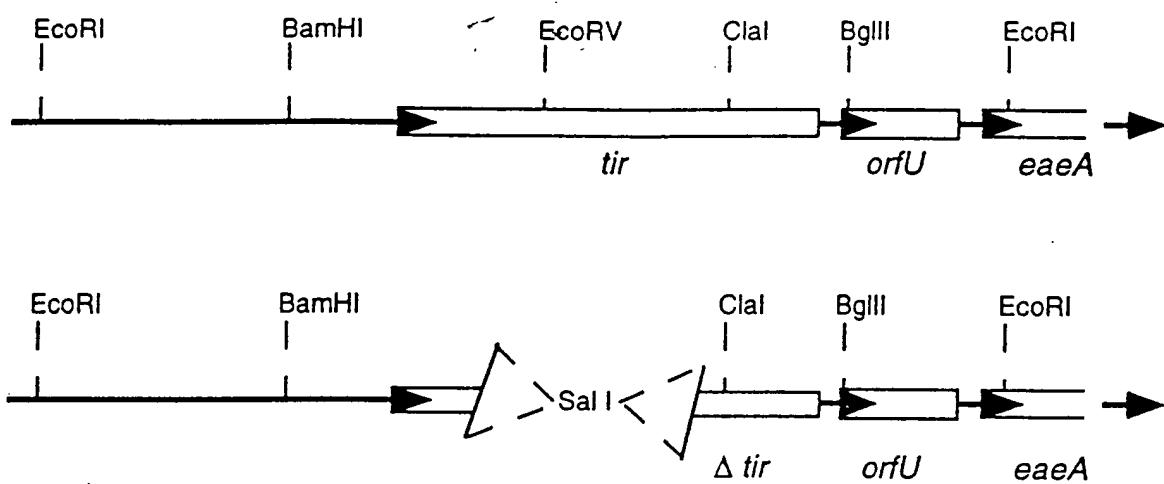


FIG. 7A

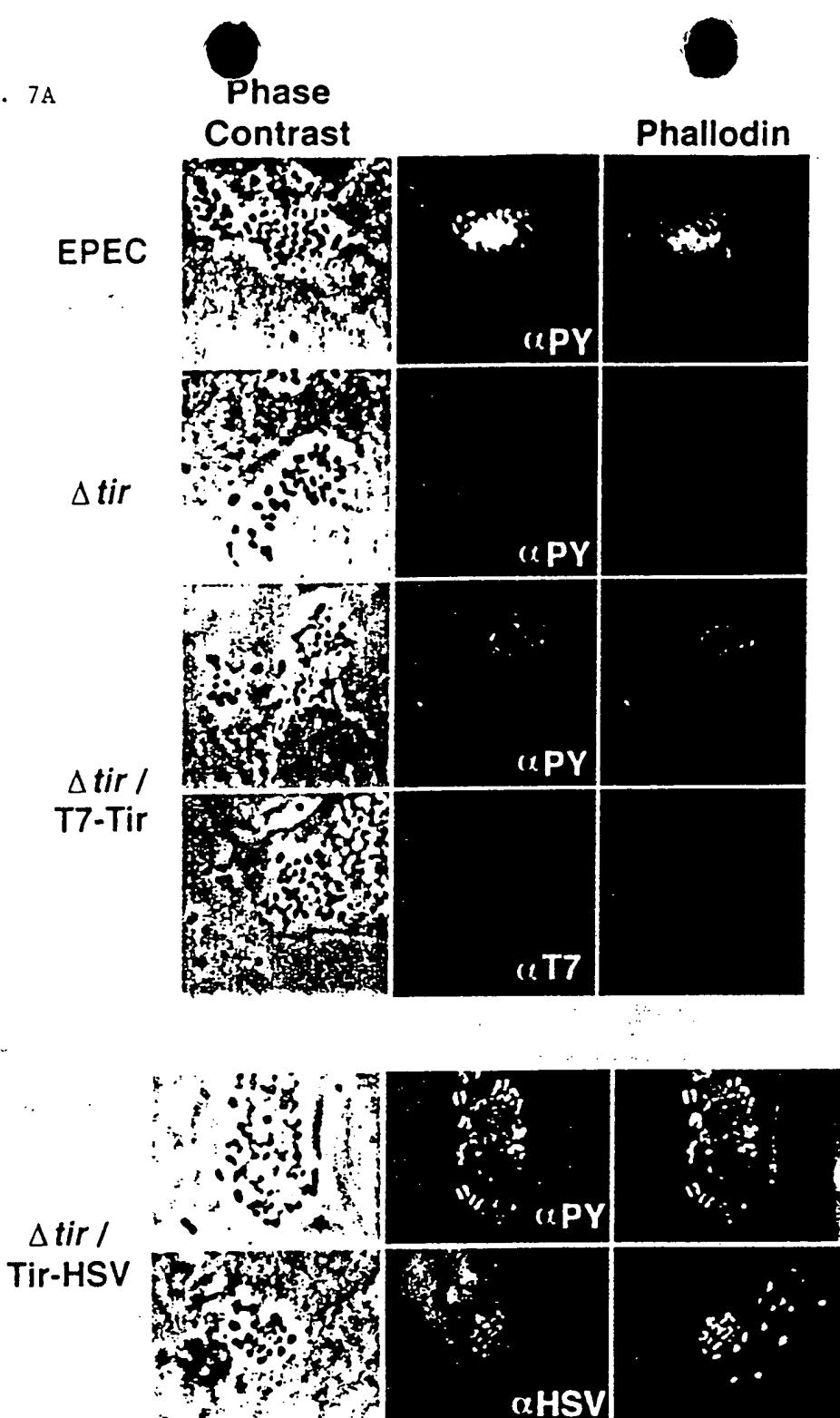


FIG. 7B

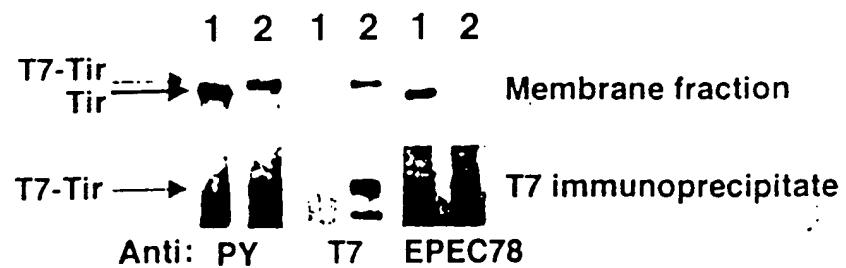


FIG. 8A

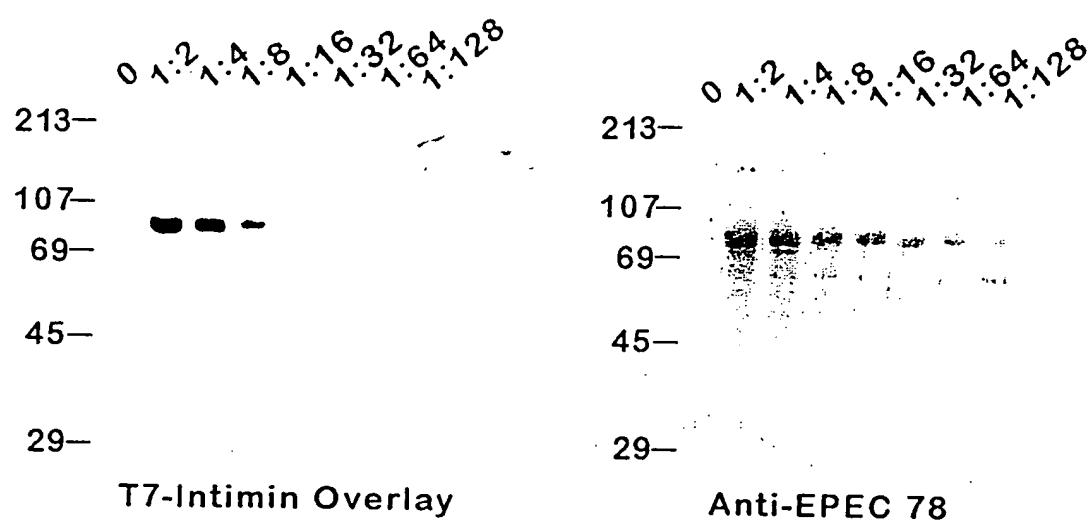


FIG. 8B

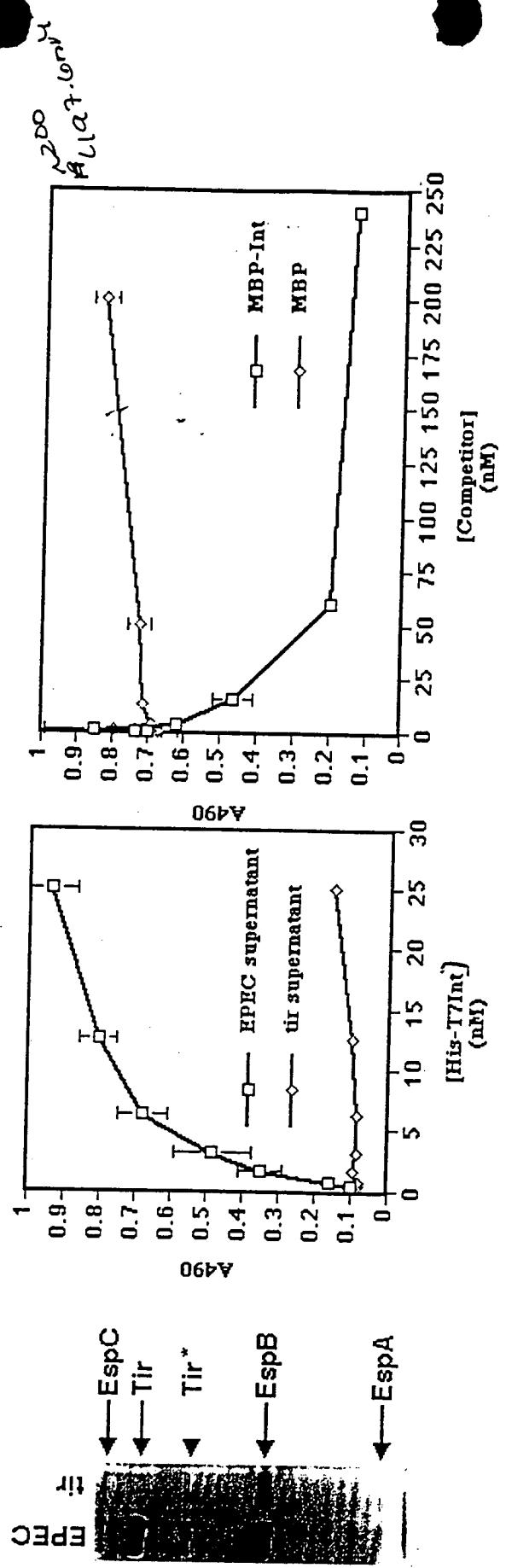


FIG. 9

EPEC	1	M P E G A X I O N N V N G N H L I S P A P P E P S O I D G A A R G T H I S S
EHEC	1	M P I G N L G H N P N V N N S I H P A P P E P L P P G I D G A G - G R G Q E N N
RDEC-1	1	
EPEC	43	A E G S R S I F S P L E N S M A D S V D S R - D I P I G P R I N S S I C E A T S
EHEC	41	P I G G R A L P T P V R I N S M A D S G D N R A S D V R G L E V I M I
RDEC-1	1	- N S V A D A A E S R A S D I P O C P S E L F
EPEC	33	T C E L L C O R E V E L H D K G R L D I E N T O I G P S A E R V V B A D T A A
EHEC	31	I T E N D G F E V E L D H G E P D T C N R Q T G S S V F R G P T Q E D G K I A V S
RDEC-1	29	V S D H G A L E V L H D K G G L D T I N S A I G S S L R R V E T R D D G S H V E G
EPEC	125	E & N G E L E V S V T E S P O E W S S L O S I D T E C K N R E V P T G C S S G P
EHEC	123	OR N G V E T S V Y L S D O P Y A R L O S U P P E G K D K F V E T G G E G I A A
RDEC-1	71	Q E N G I E T T V Y L S E C E F S S L O S L D P E C K N K H Y P I C O T S P K A
EPEC	167	M V I V A S D I A E A R T K T C A K I D P D N H G G R Q P K D V D E R S V G S A
EHEC	165	M V I V A S D I A E A R T K T C A K I D P D N H G G R Q P K D V D E R S V G S A
RDEC-1	113	M V I V A S D I A E A R T K T C A K I D P D N H G G R Q P K D V D E R S V G S A
EPEC	209	S G I D D G V V S E L T S E T T N S S V P S D P R K F I V S V G A E T T A A
EHEC	206	S S N G A E N T T E L O P S T S T S S R S D P S T W A G C T V E T T
RDEC-1	145	P N S G E G K I I E I H T S T S S S P A D E K T M S T S S T A C M
EPEC	251	T G I A Q A V A L T P E P D D P I T D D P A A N T A E A A A D E T O A K
EHEC	243	T G I V Q A D A V I T P E P D S P T C D P D A A S T T A T R G O N T A
RDEC-1	187	T G I A Q A V A L T P E P D D P I T D D P A A N T A E A A A D E T O A K
EPEC	293	N P D N G K V N I D E N G N A I R S G E L K D D I V E Q I A Q A C E B G V
EHEC	290	N P D N G K V N I D E N G N A I R S G V E K D D V A N I E B Q A T A E B K
RDEC-1	229	N P D N G K V N I D E N G N A I R S G E L K D D V A Q I A Q A C E B G V
EPEC	335	Q A I E S N S Q A Q Q K Y D E Q P A K R E Q E M S S S C G V G Y H I T E E G E
EHEC	332	Q A I E S N S Q A Q Q K Y D E Q P A K R E Q E M S S S C G V G Y H I T E E G E
RDEC-1	271	E A I E S N S Q A Q Q K Y D E Q P A K R E Q E M S S S C G V G Y H I T E E G E
EPEC	377	G T G A G Y T A A T H R R N Q A B O T I T T T - - - - H T V O O O G G
EHEC	374	G T G V A Y T A A T H R R N Q A B O T I T T T T T T T S A R T E N K A N
RDEC-1	313	G T G A G Y T A A T H R R N Q A B O T I T T T - - - - V A D N O T H N
EPEC	412	T P O H K V A L M P O E R R R F S D R R D S Q G S V A S T H W S D S S - E M V
EHEC	416	T P O H G V D T P G S S D T M E S R R S S M A S T S S T F F D E P I I Q
RDEC-1	347	A S A G G N T T S G P E E S P A S R R N S N A S L A S N G S D T T E D E
EPEC	453	G A E V G G A R N S L S A H Q P E E H Y D E V A A D P G - - - - - - - - -
EHEC	458	M A D V K T S L H D S Q V P T S N S N T S V Q N M G N T D S V V M S T T H P P R D
RDEC-1	389	M A D V G M P X N D S L A R I S E E P L Y D E V A A D P N - - - - - - - - -
EPEC	491	S G P V T G R I I G T P Q Q C I Q S T Y A C I A N S G G E R E G M G C I S S C T
EHEC	500	T T D N G A R G L G N P S A G P O X T Y A R I W L S G G E R H D M G I S S S N
RDEC-1	427	N S R V T O R I V G T P Q Q T Q S I Y A L B A S S G C P E R E G M G C I T T G E
EPEC	533	A V S S V N A A A R T P D P V R R V
EHEC	542	A V N T S N N P P A R G S H R R V
RDEC-1	469	A V S T A N A A R T P D P A R E V